



CND Data Strategy and Security Configuration Management

SEP 2008







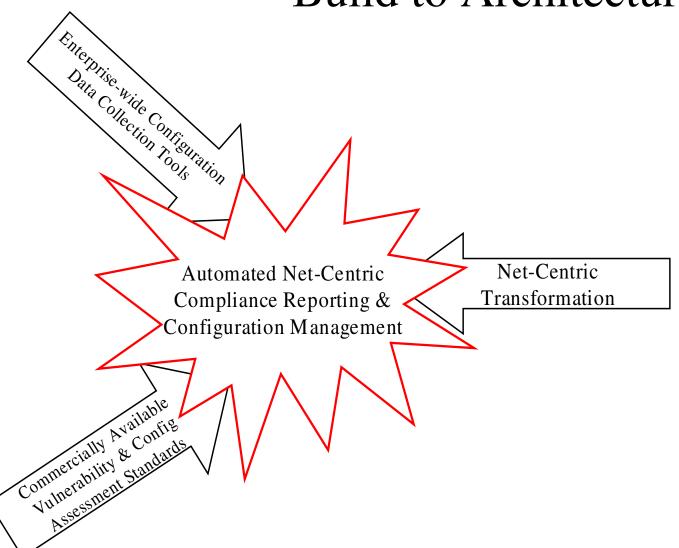








- CND Data Strategy Pilot
- Build to Architecture/Projects





Some SCAP Uses



- Vulnerability assessments (OVAL/CVE)
- Assess IAVA (patch) compliance (OVAL)
- Validate host level CTO implementation (OVAL/CCE/CPE)
- Search for artifacts indicating malicious activity (XCCDF/OVAL)
- Collect software inventories (CPE)
- Perform automated C&A validation (XCCDF/OVAL/CCE/CPE)
- Verify correct application of security checklists (XCCDF/OVAL/CCE/CPE)
- Assess user permissions and roles (XCCDF/OVAL)





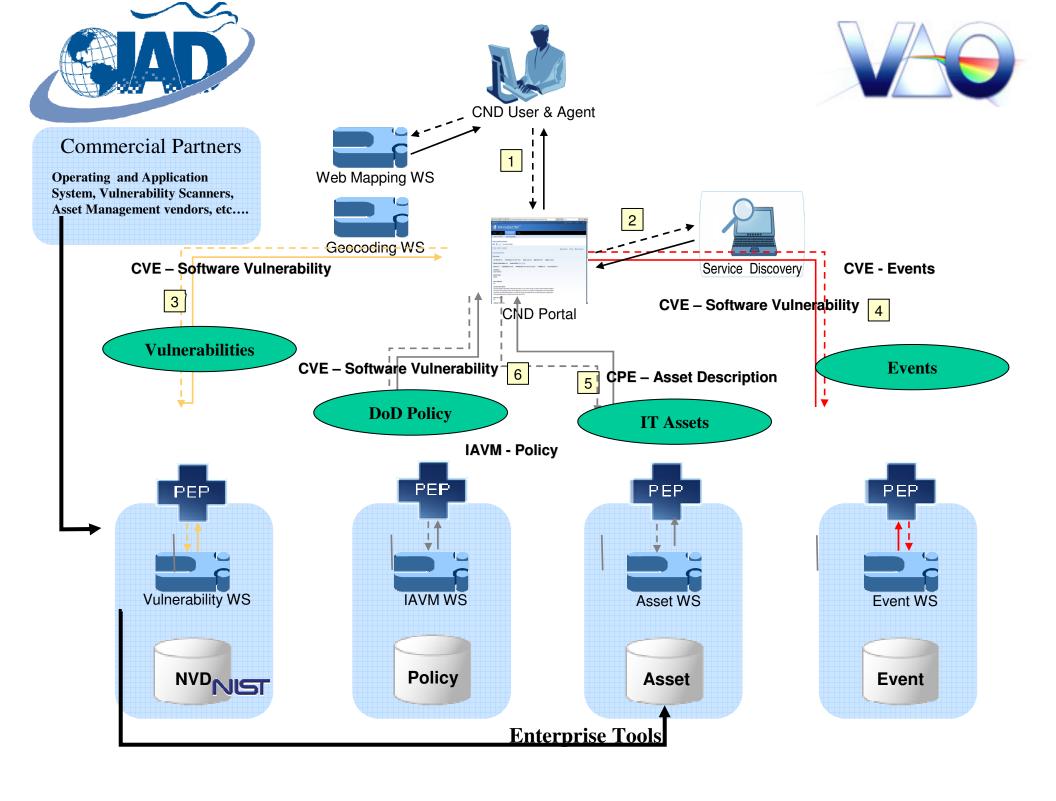
CND Data Strategy Pilot



CND Data Strategy Pilot Phase I & II



- Phase I of the CND Pilot will provide a DoD Service Oriented Architecture that enables the correlation of Asset data, Event data, DoD Policy and Security Content Automation Program (SCAP) vulnerability data.
- Phase II of the CND Pilot will add Incident, Certification and Accreditation information, Enterprise Service Management functionality, transition to select Net Centric Enterprise Services functionality, and incorporate additional asset, vulnerability, Event data.

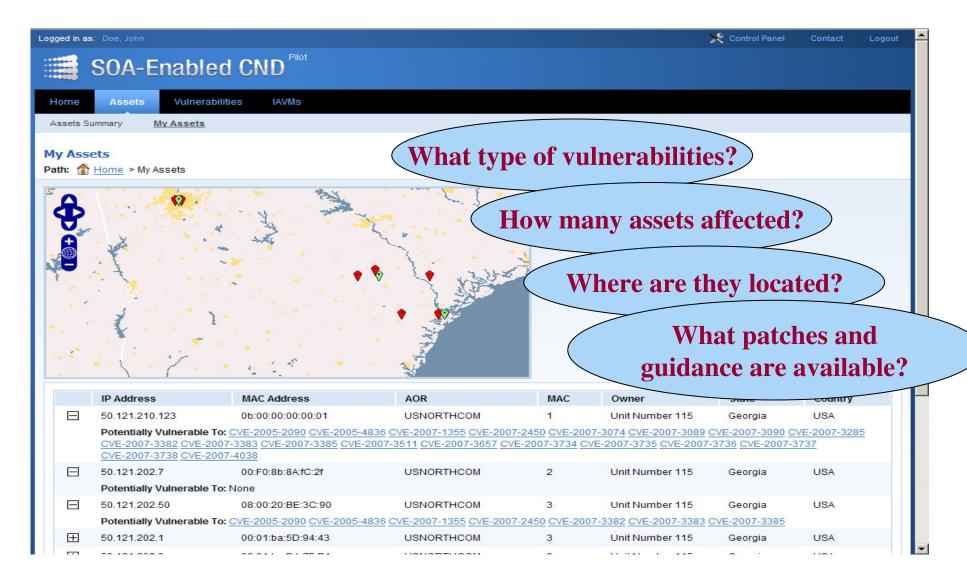




User Interface



Notional Data





SCAP Evolution

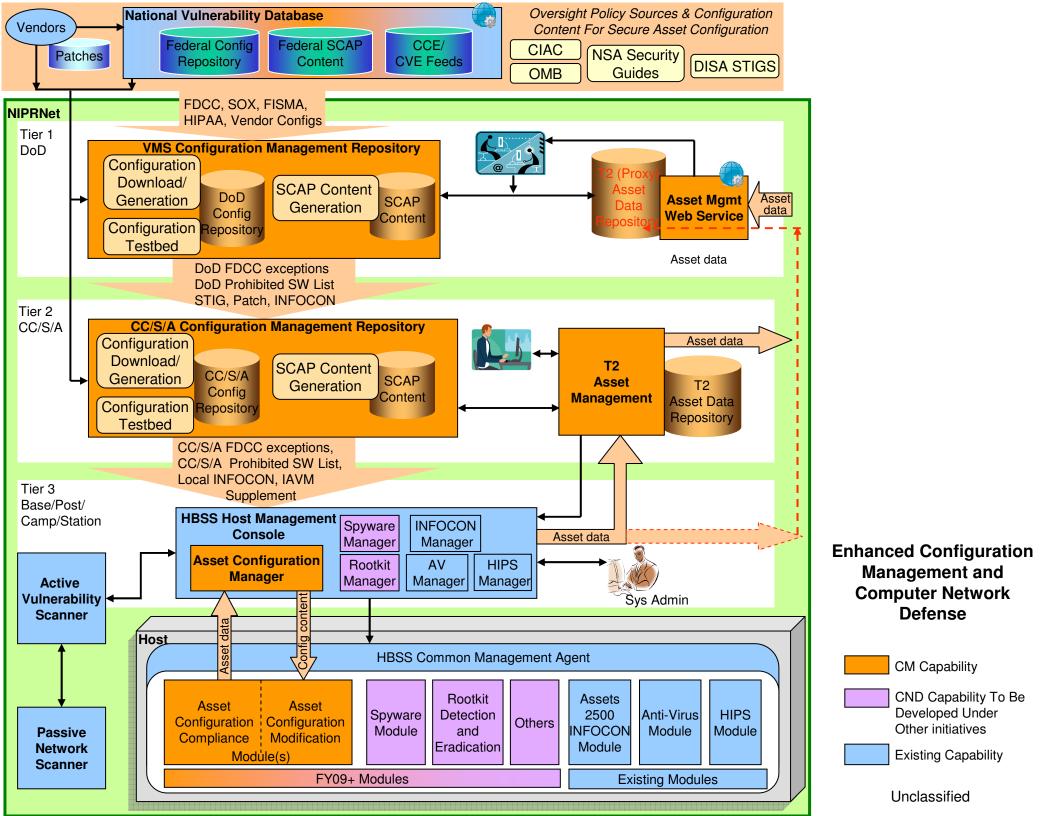


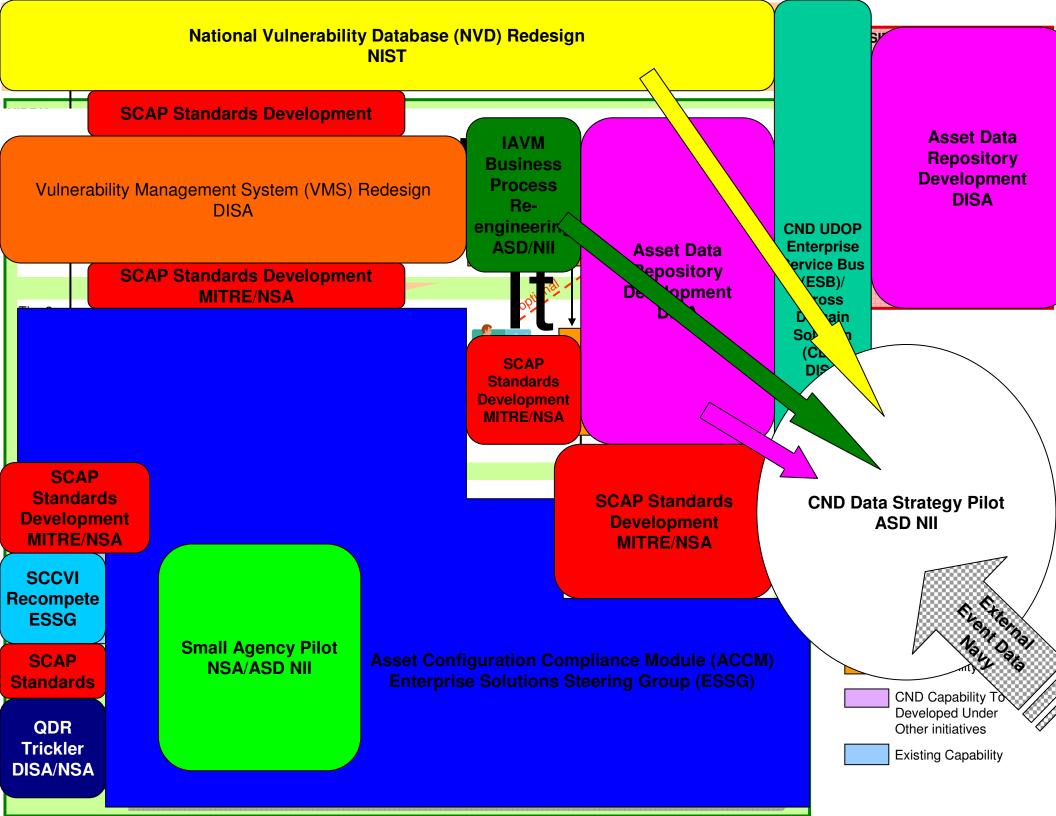
- Fill gaps in existing SCAP CM standards
 - Remediation language link weak configurations
 & vulnerabilities to standard remedies
 - SCAP interfaces automate assessment policies
 & results sharing between SCAP tools
- Expand into AS&W and Risk Management
 - Event and Incident sharing standards
 - Network & Risk standards

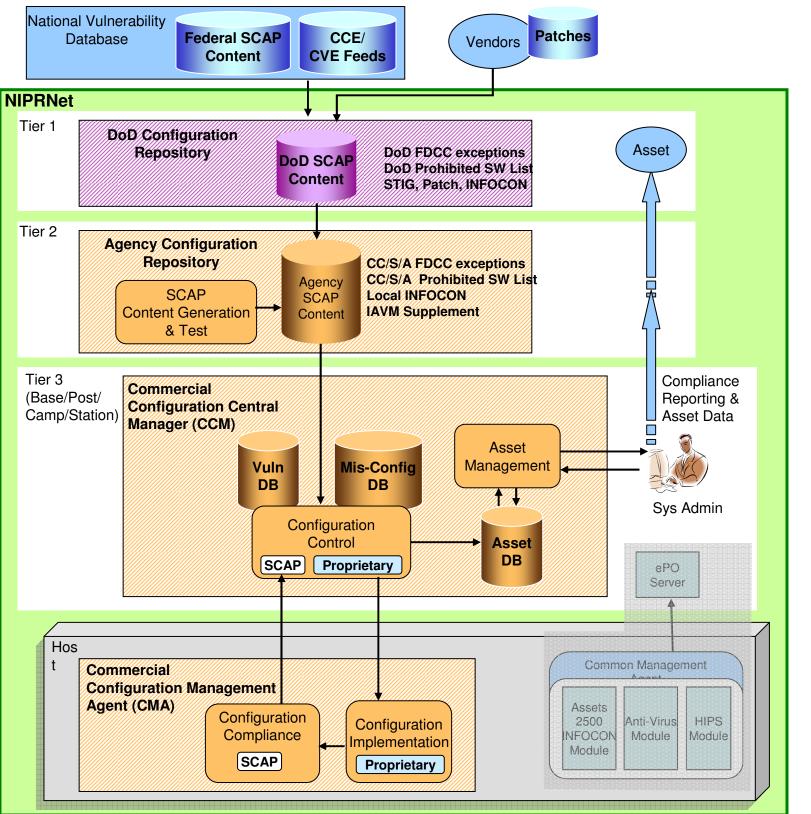




Build-to Architecture/Projects





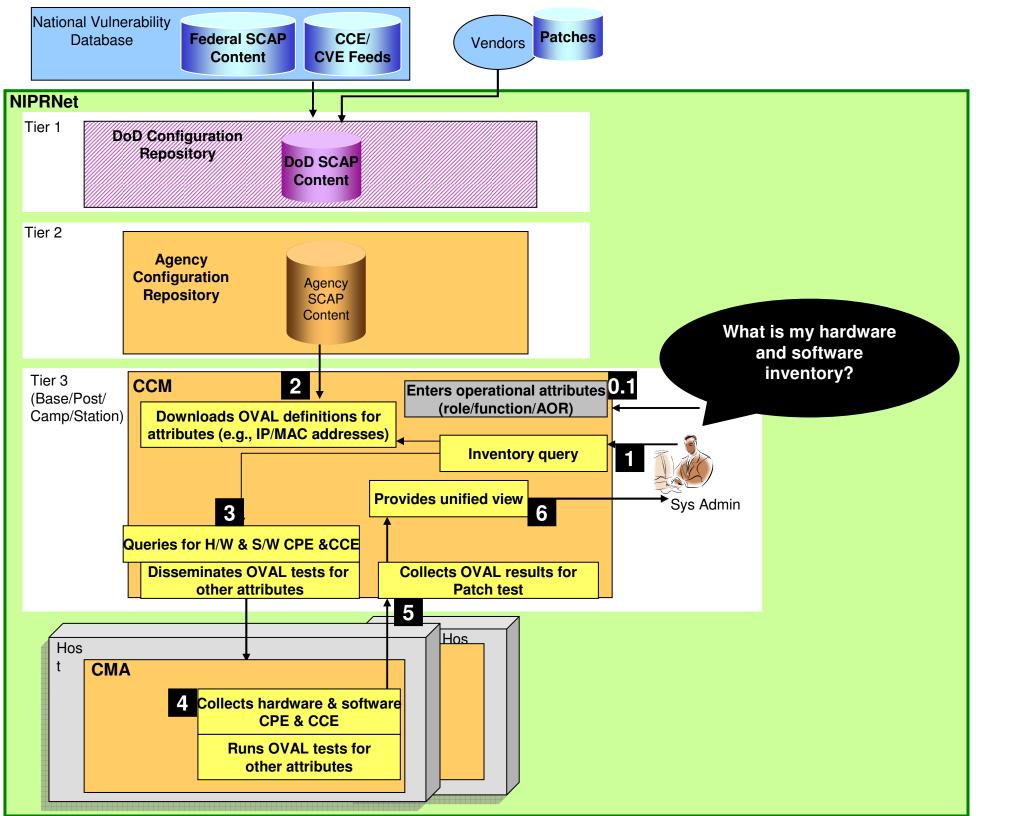


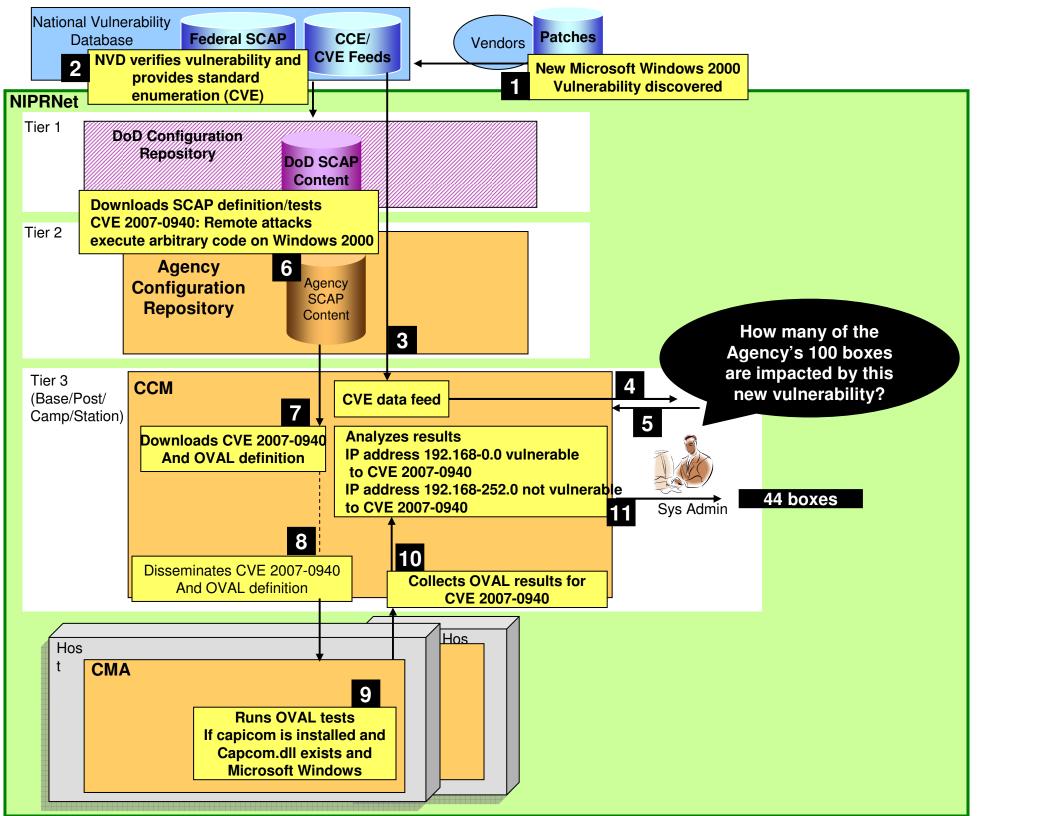
Configuration
Management
SCAP Small Agency
Scope
Spiral 1 Increment 1

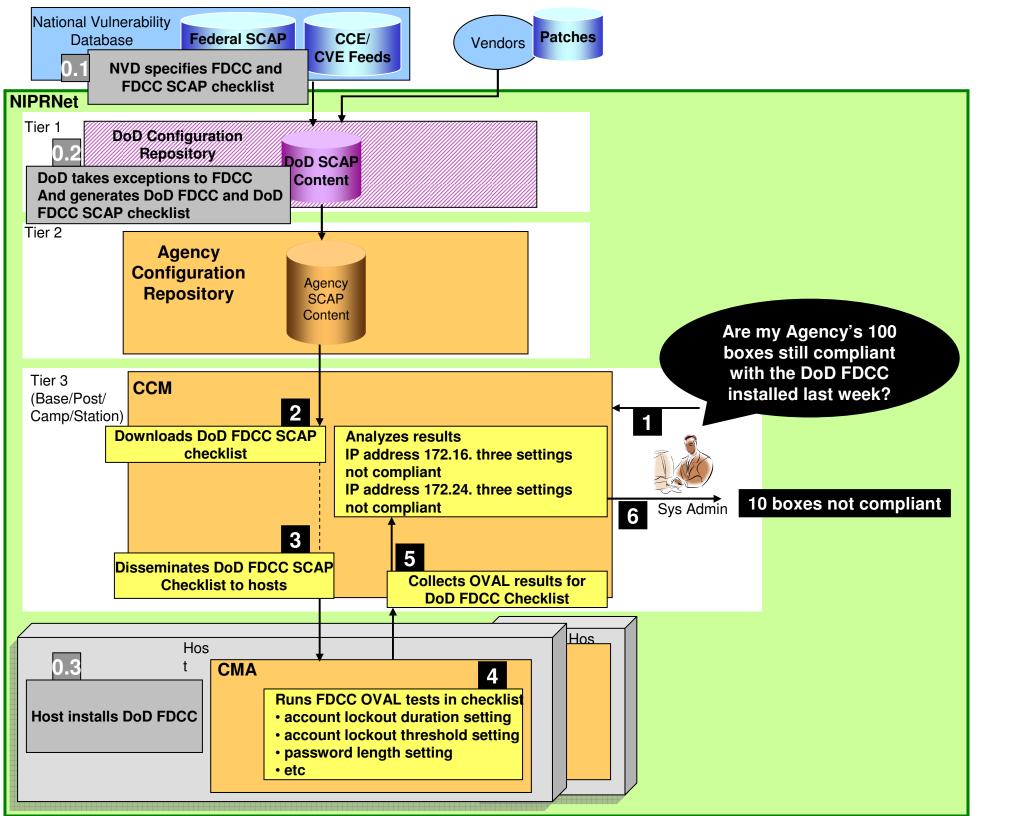
Pilot Capability

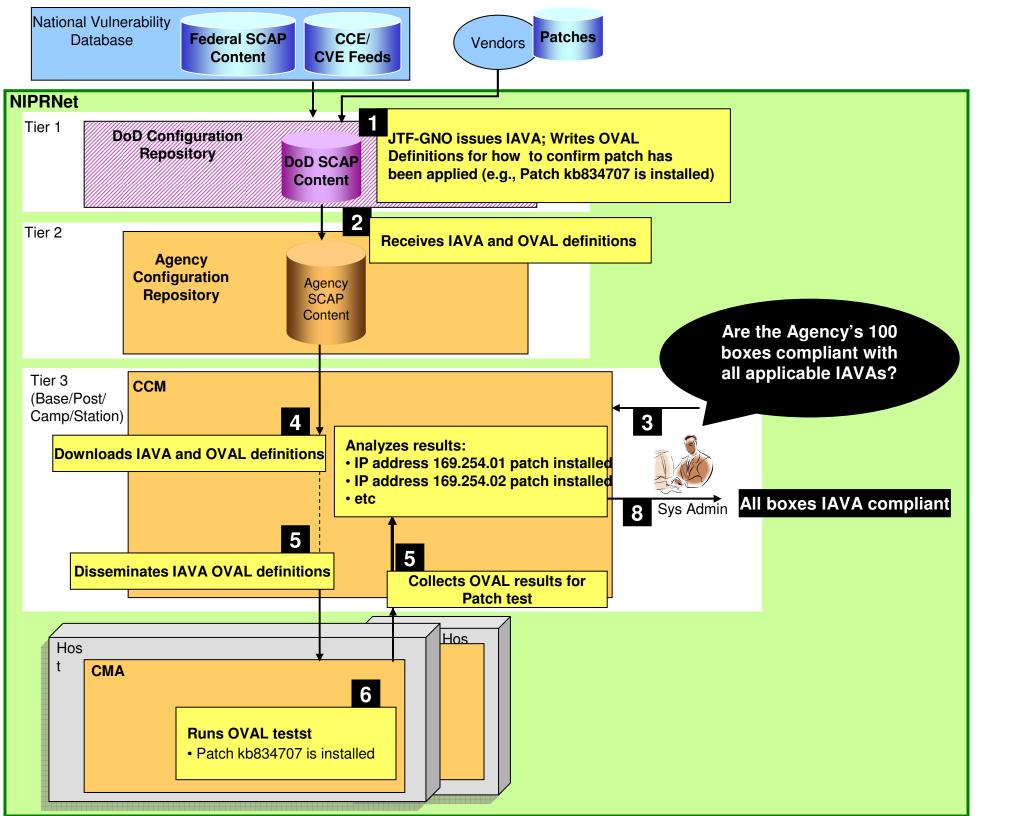
Capability To Be
Developed Under
Other initiatives

Existing Capability











Summary



- Combining data strategy and configuration management infrastructure to build an enterprise capability
 - Convert existing content and standards to machine readable format
 - Build local, component, and enterprise SA security configuration
 - Standards-based to support scalability and vendor neutrality in the future



Backup Slides



Federal/Industry Baseline Config Policy Audit

FDCC
FISMA
HIPAA
SOX
Vendor Configs
Other best practice

DoD Configuration Policy Audit

IAVM
CTO
STIG
DoD FDCC exceptions
Patch
DoD Allowed/Prohibited SW List
INFOCON
I&W Collection

CC/S/A Configuration Policy Audit

Enterprise Licensing
Local INFOCON
CC/S/A FDCC exceptions
IAVM Supplements
IAVM Exceptions
CC/S/A Allowed/Prohibited SW List



- •OVAL •CCI
- •CPE •CCE
- •CVE